

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Original) A frequency synthesizer, comprising:
a digitally controlled oscillator, including a plurality of switched capacitors;
control circuitry for selectively enabling and disabling said capacitors responsive to an oscillator tuning word, comprising:

select circuitry for enabling a number of capacitors responsive to said oscillator tuning word;

circuitry for dynamically varying which capacitors are enabled for a given oscillator tuning word to reduce non-linearities caused by slight variances in capacitive values.

2-9. (Canceled).

10. (Original) A method of synthesizing a frequency, comprising the steps of:
selectively enabling and disabling capacitors in a digitally controlled oscillator responsive to an oscillator tuning word; and

circuitry for dynamically varying which capacitors are enabled for a given error signal value to reduce non-linearities caused by slight variances in capacitive values.

11-30. (Canceled).